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Fig. 1A

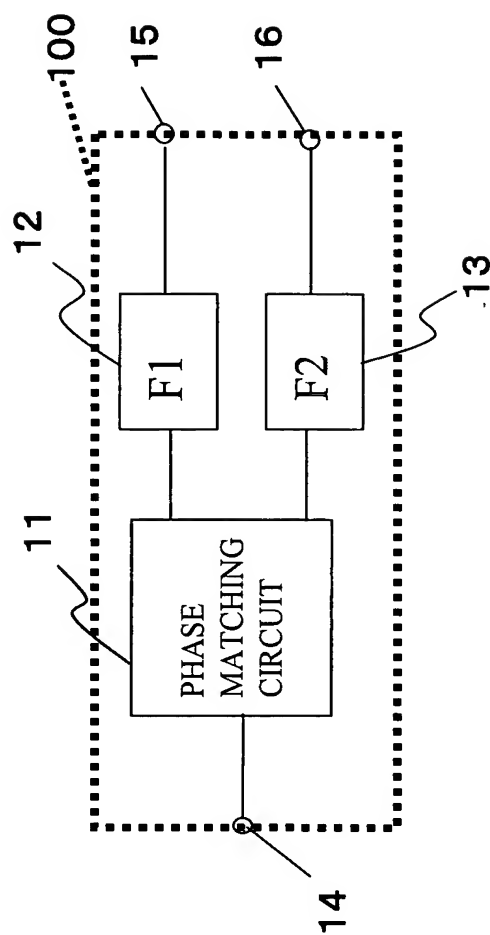
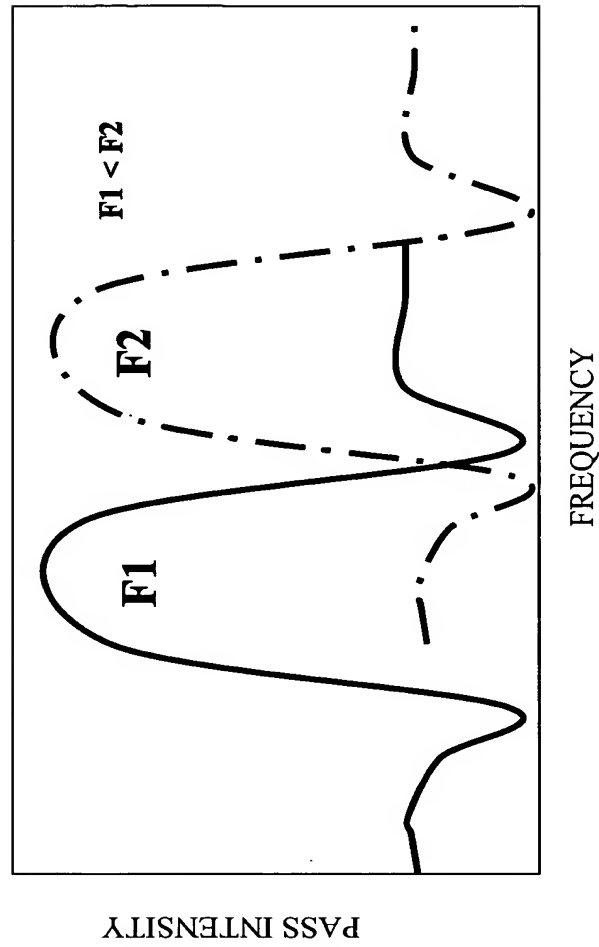


Fig. 1B



100

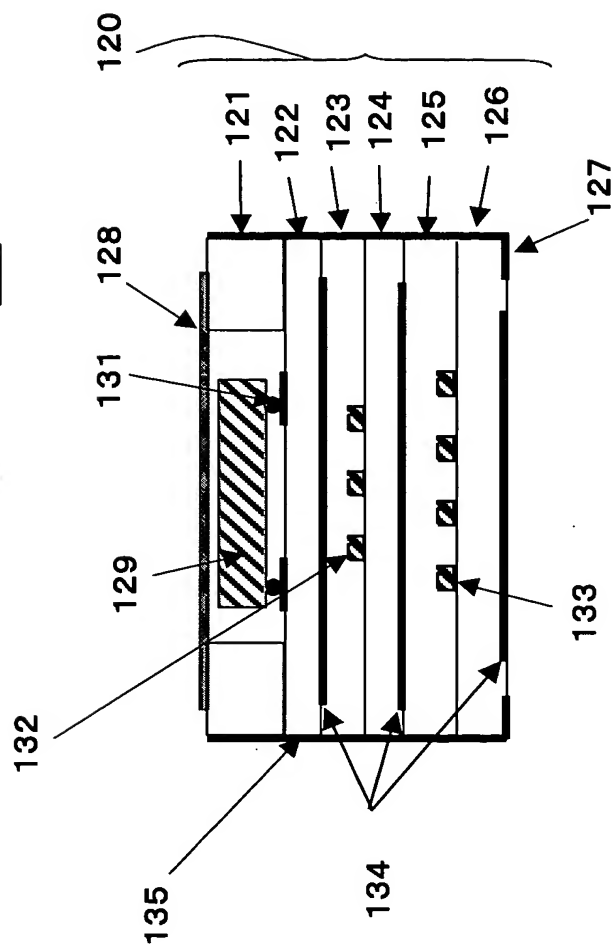


Fig. 3A

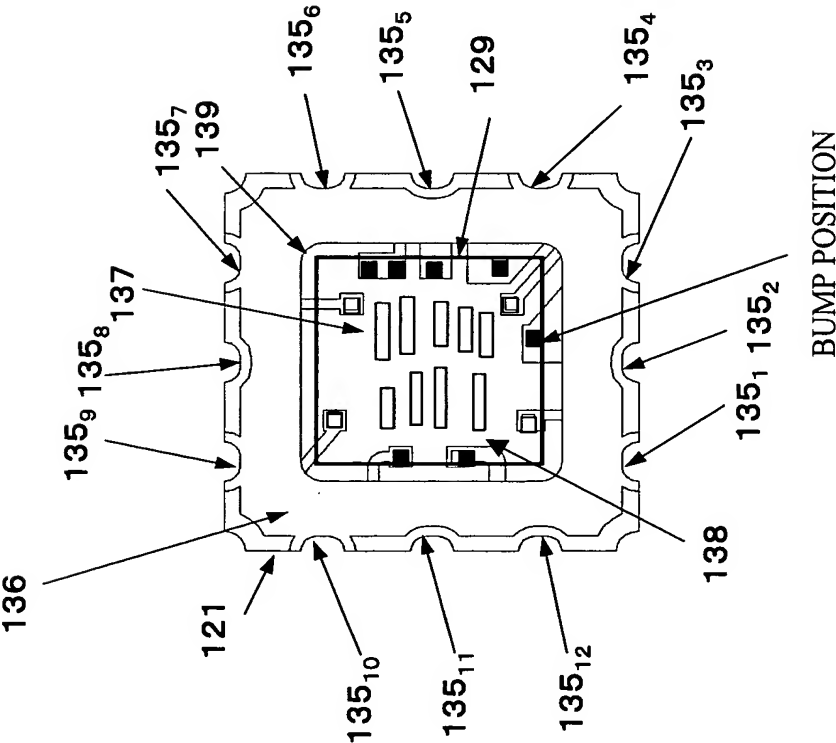


Fig. 3B

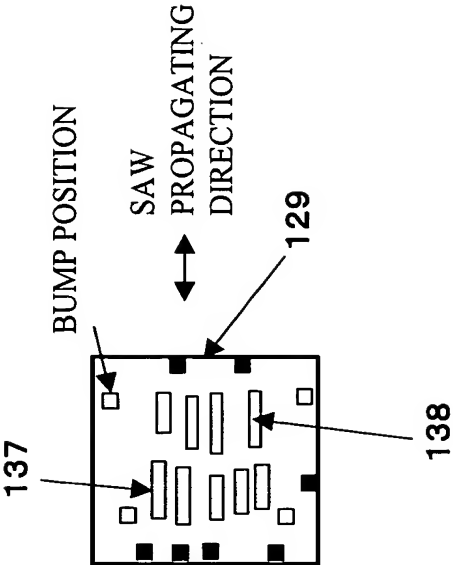


Fig. 4A

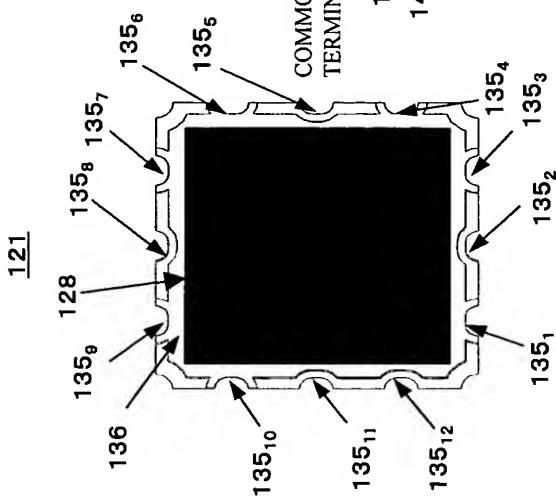


Fig. 4B

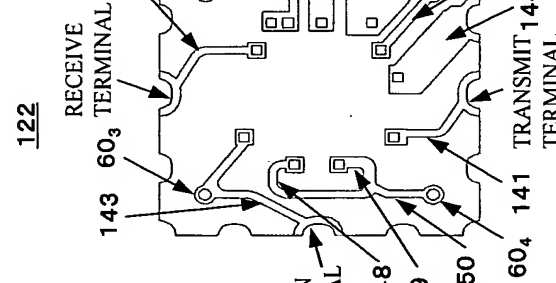


Fig. 4C

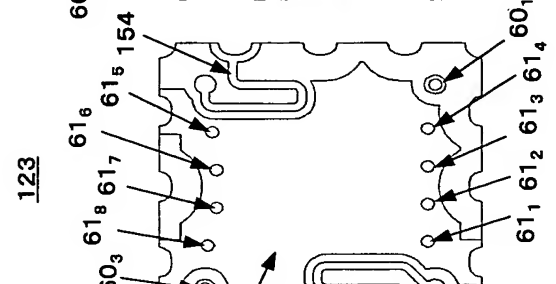


Fig. 4D

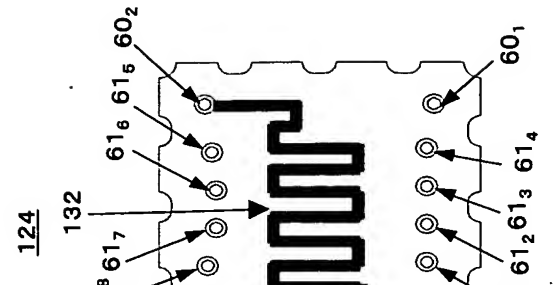


Fig. 4E

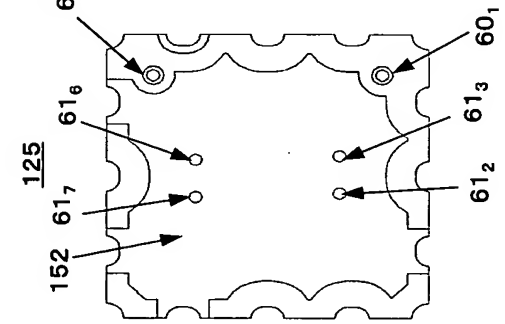


Fig. 4F

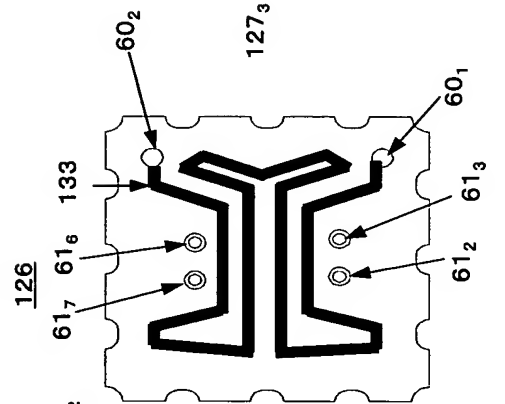


Fig. 4G

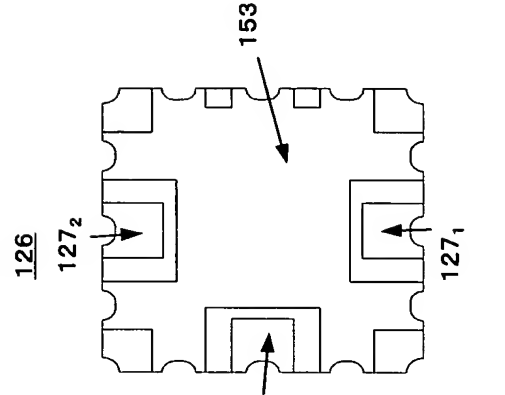


Fig. 5

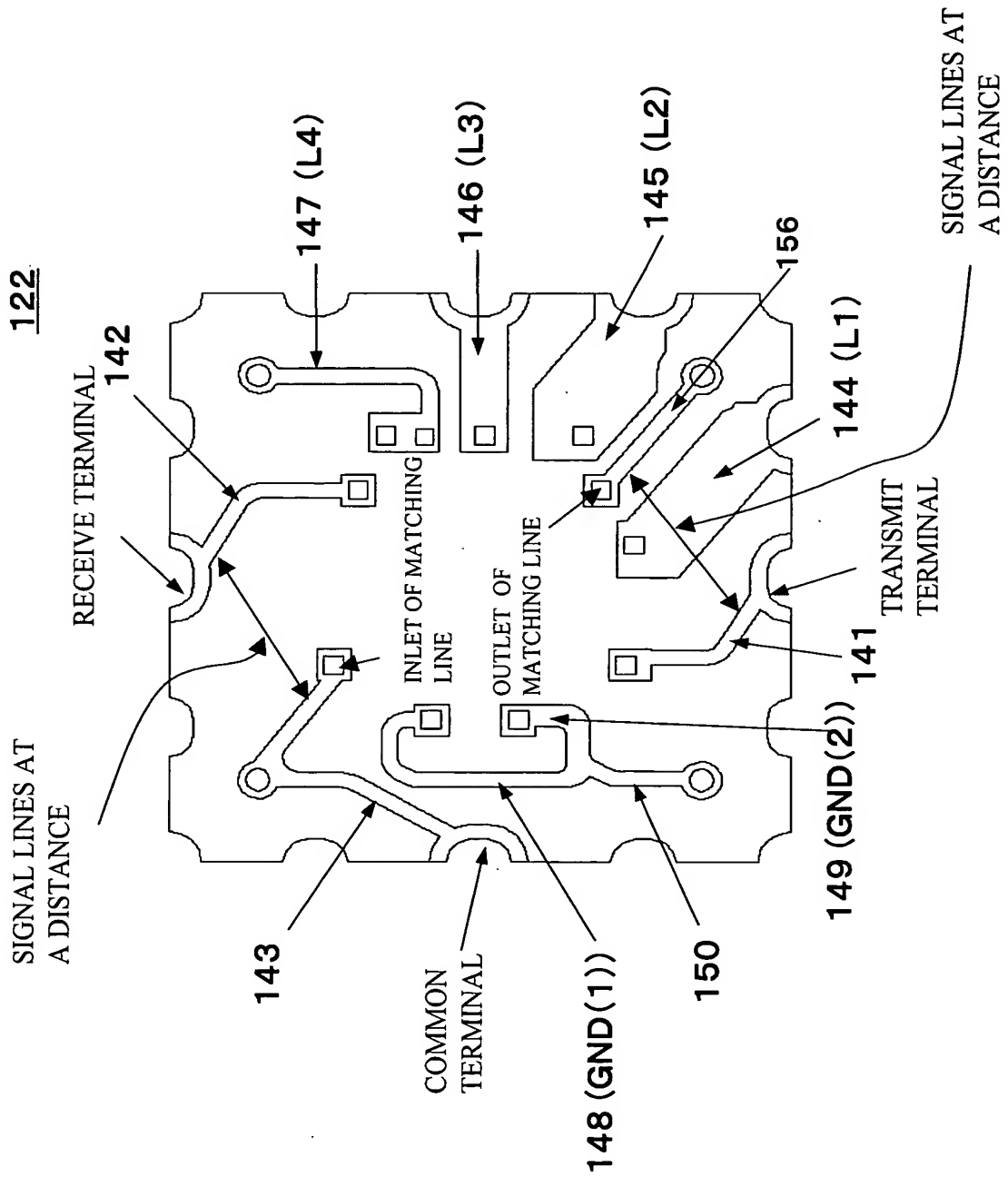
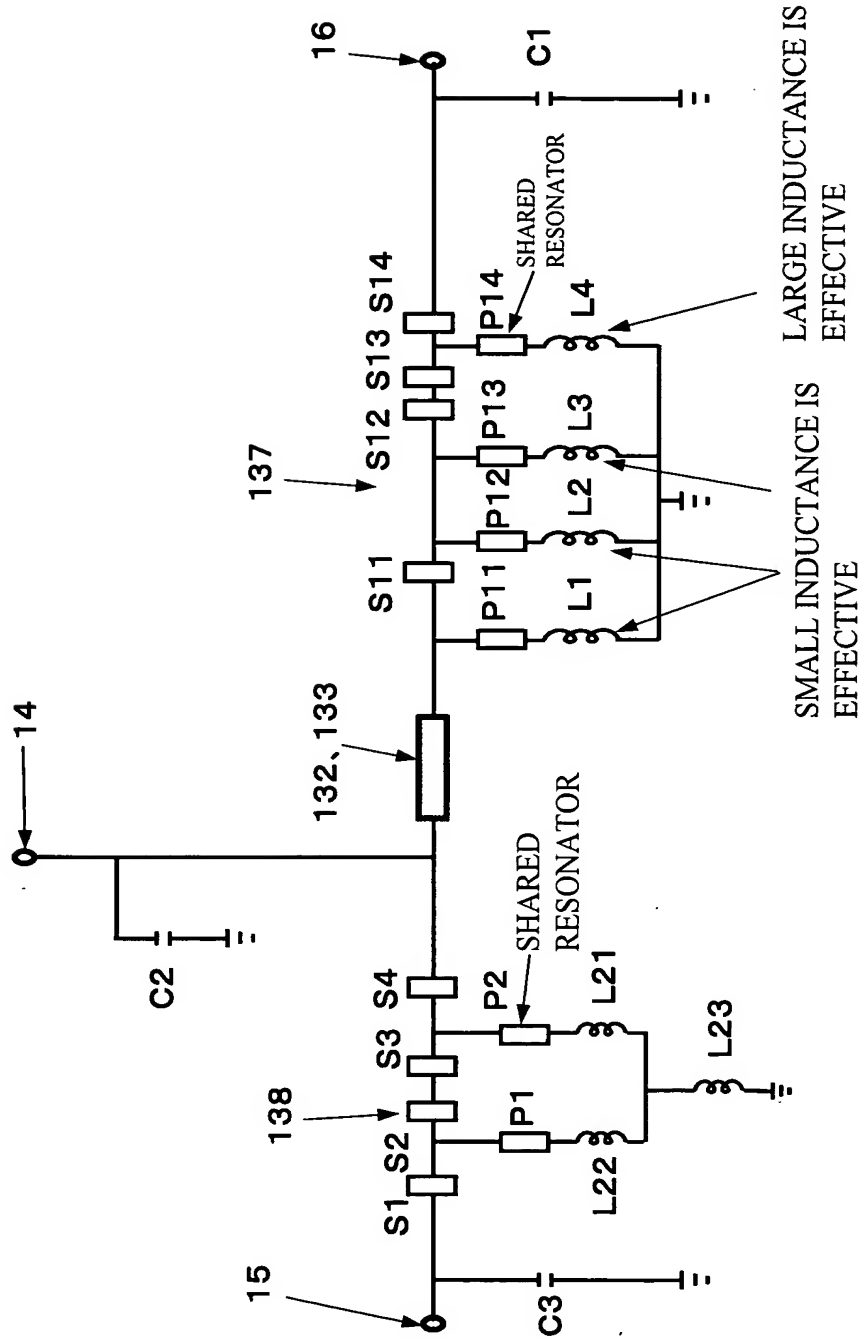


Fig. 6



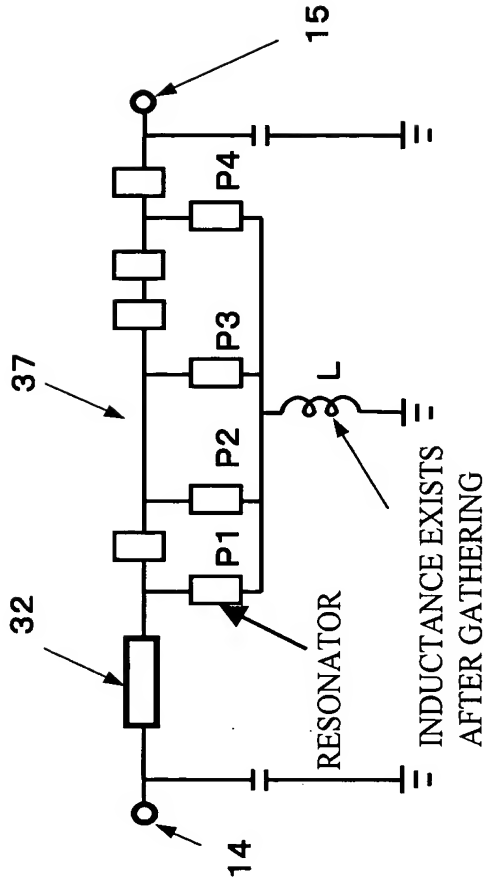


Fig. 7A

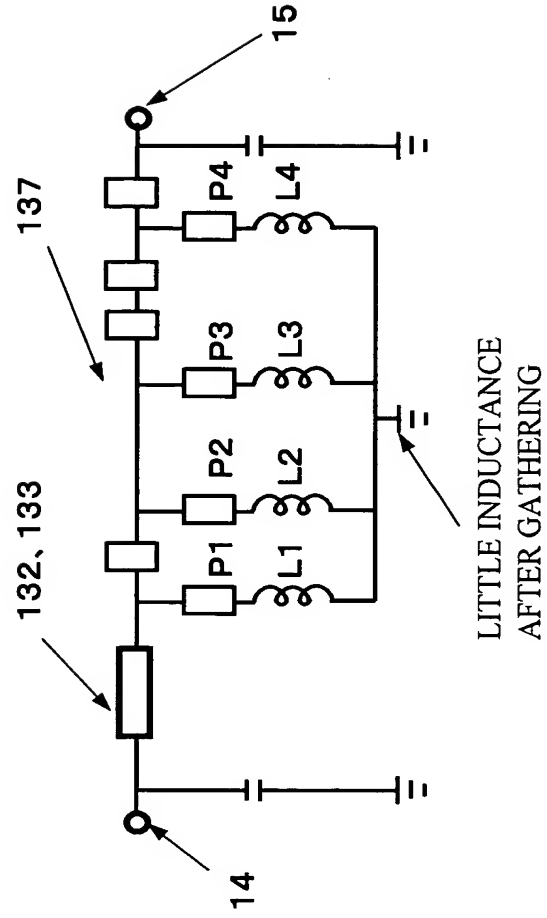


Fig. 7B

Fig. 8

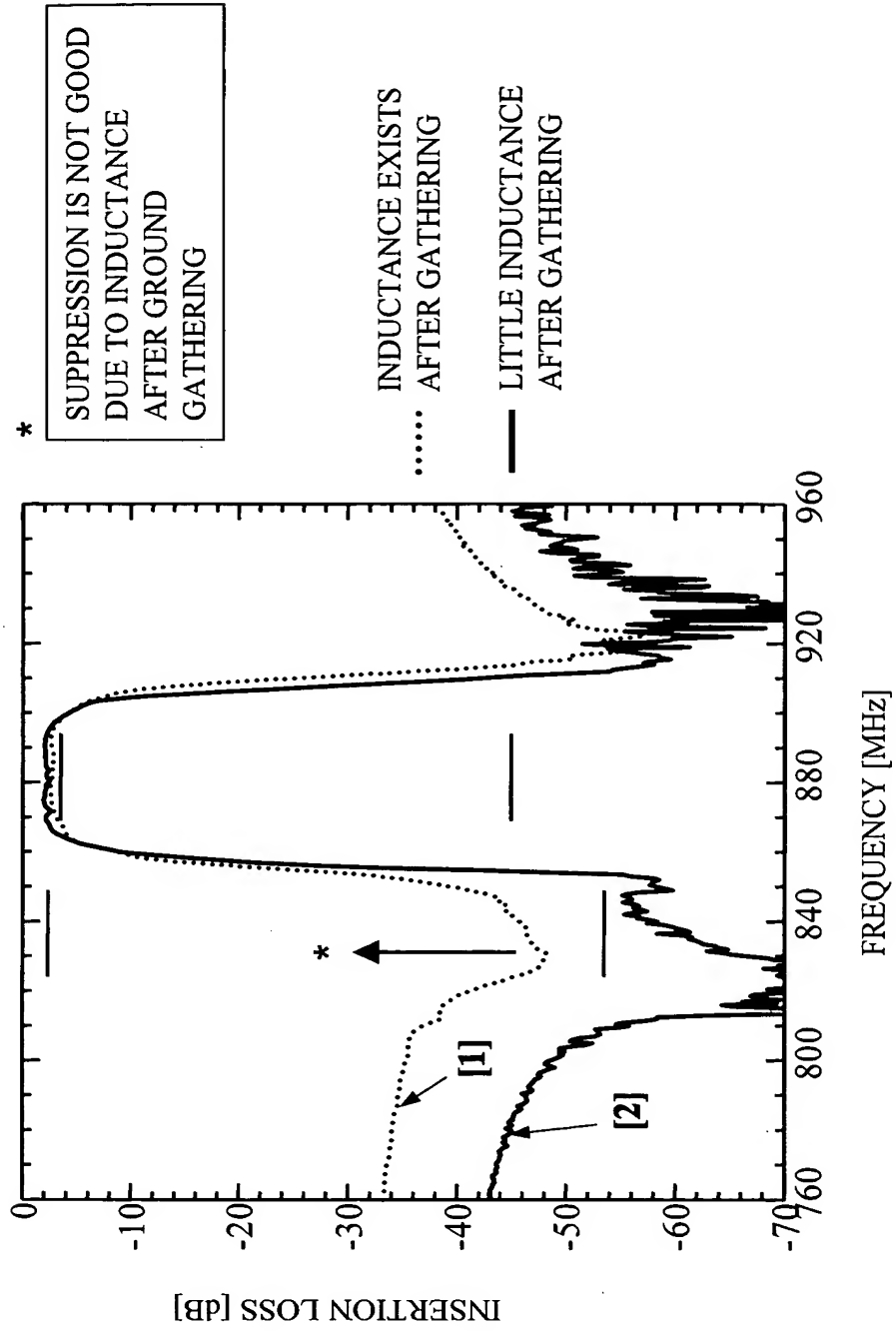


Fig. 9

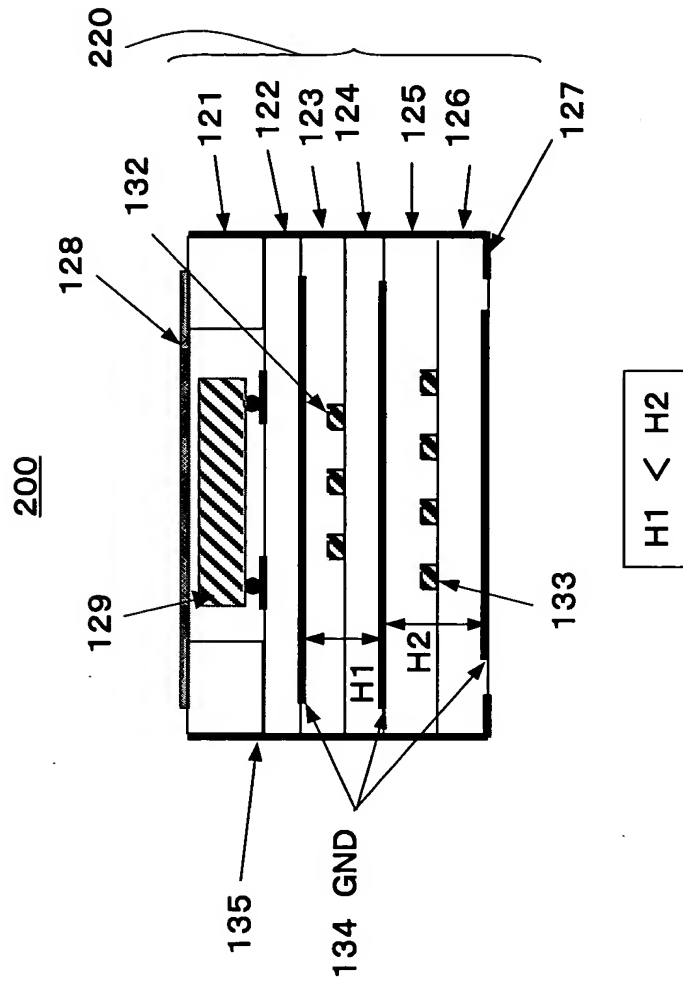
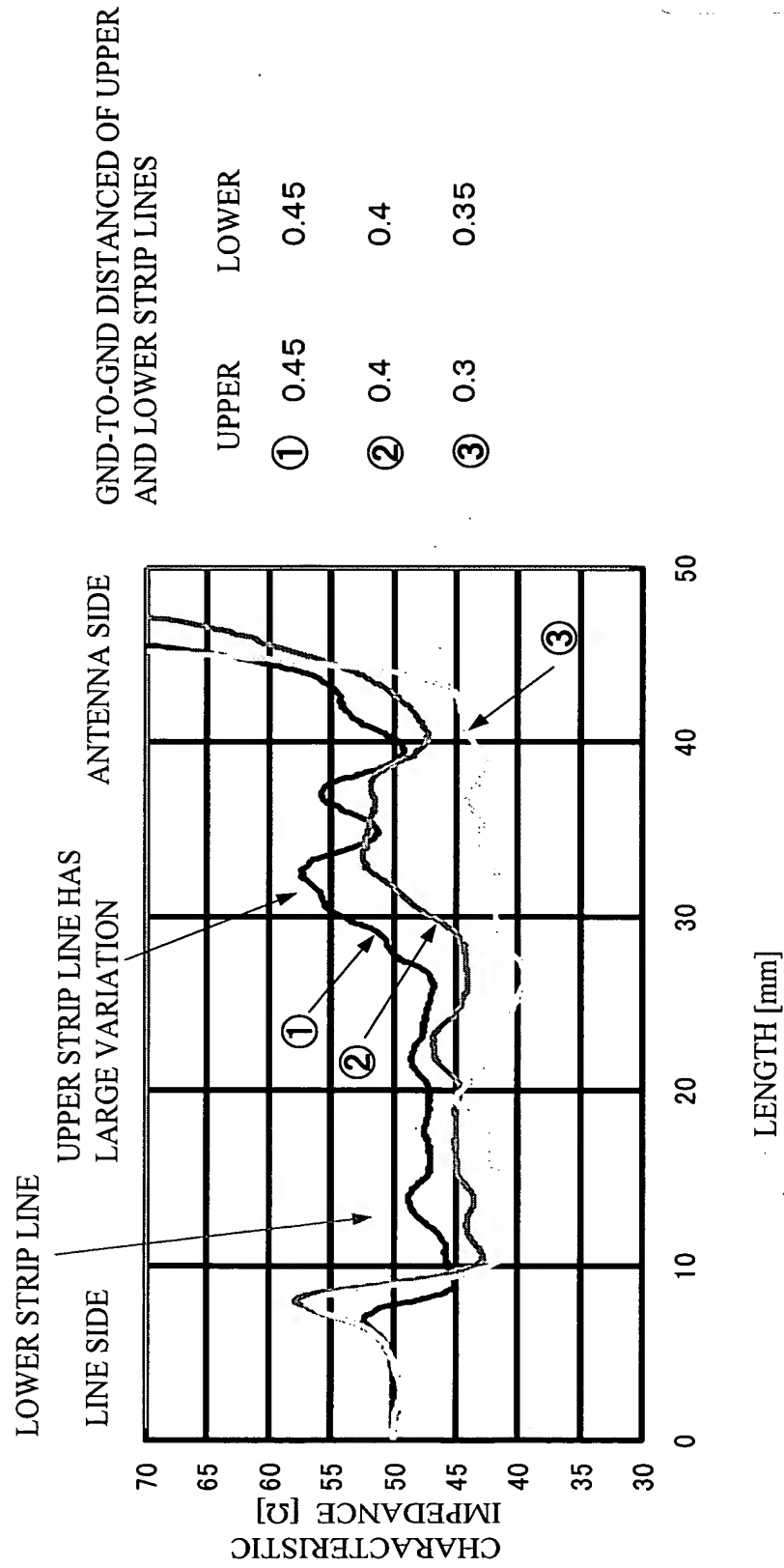


Fig. 10



- ① CHARACTERISTIC IMPEDANCE OF PHASE MATCHING LINE IS GREATER
THAN THAT OF EXTERNAL CIRCUIT
- ② CHARACTERISTIC IMPEDANCE OF PHASE MATCHING LINE IS SMALLER
THAN THAT OF EXTERNAL CIRCUIT

ENLARGED PASS BAND REFLECTION CHARACTERISTIC OF RECEIVE PORT

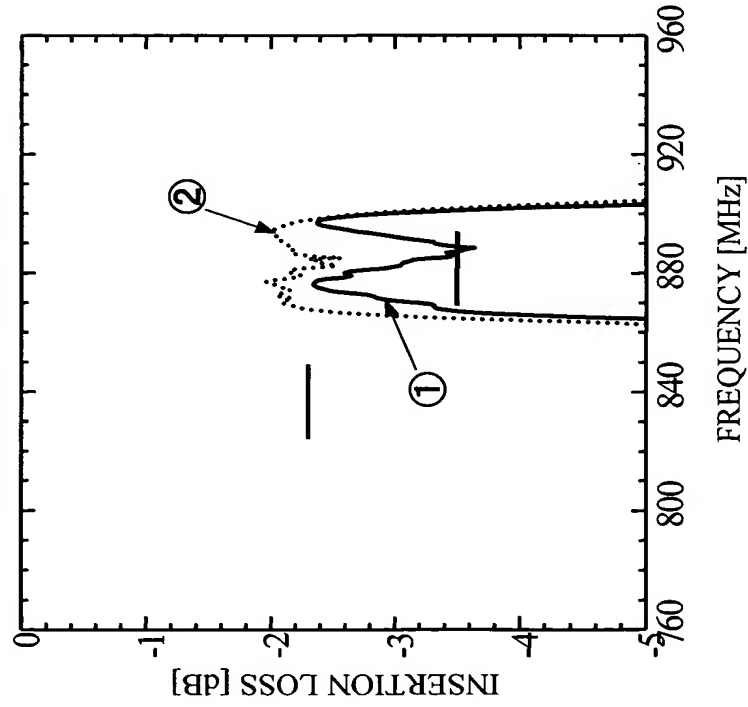


Fig. 11A

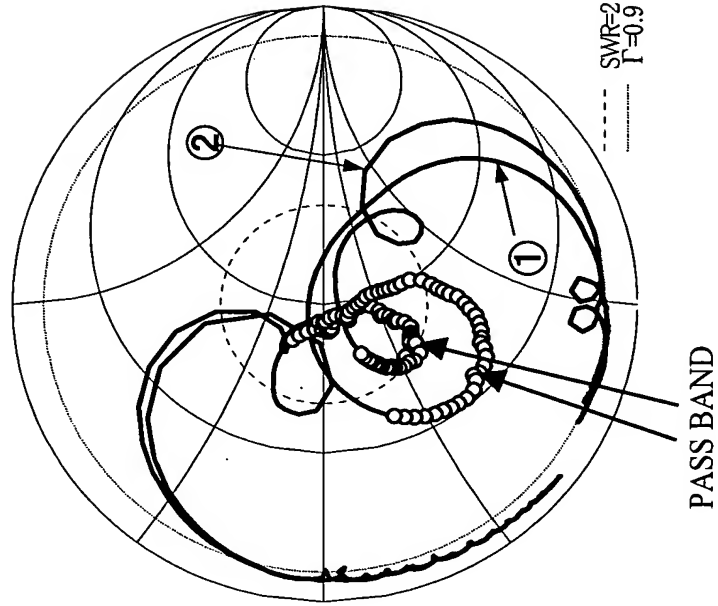


Fig. 11B

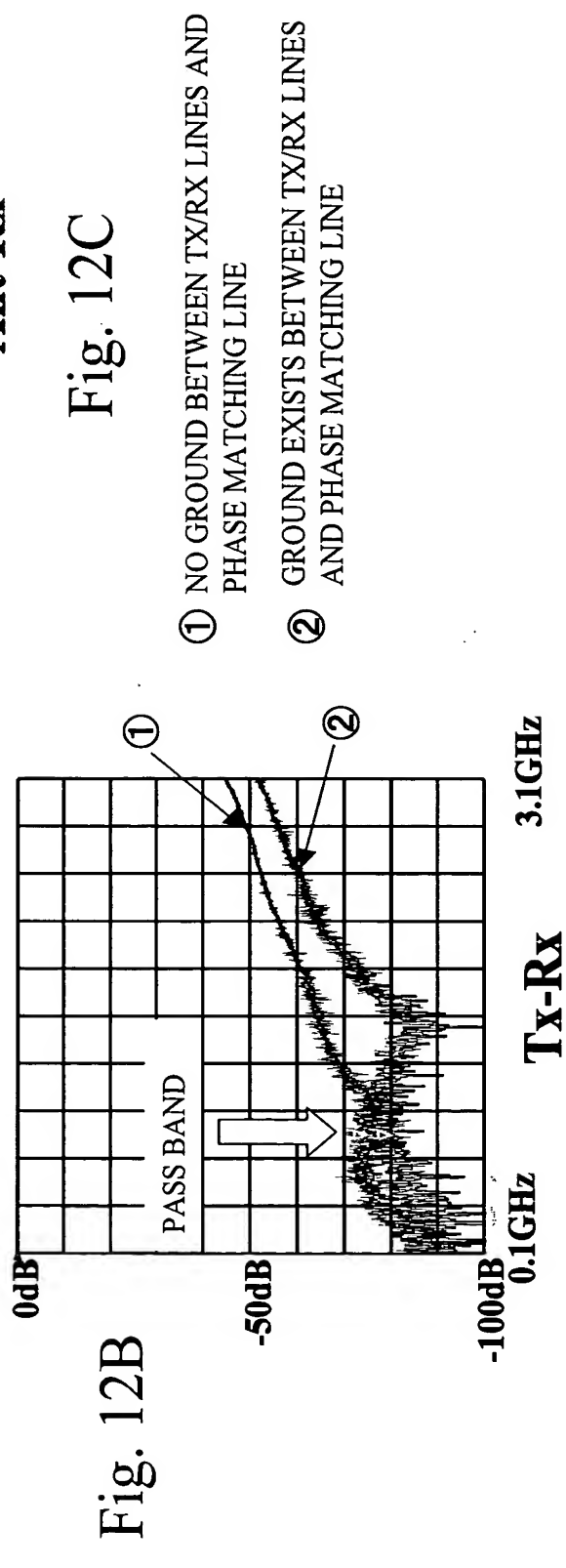
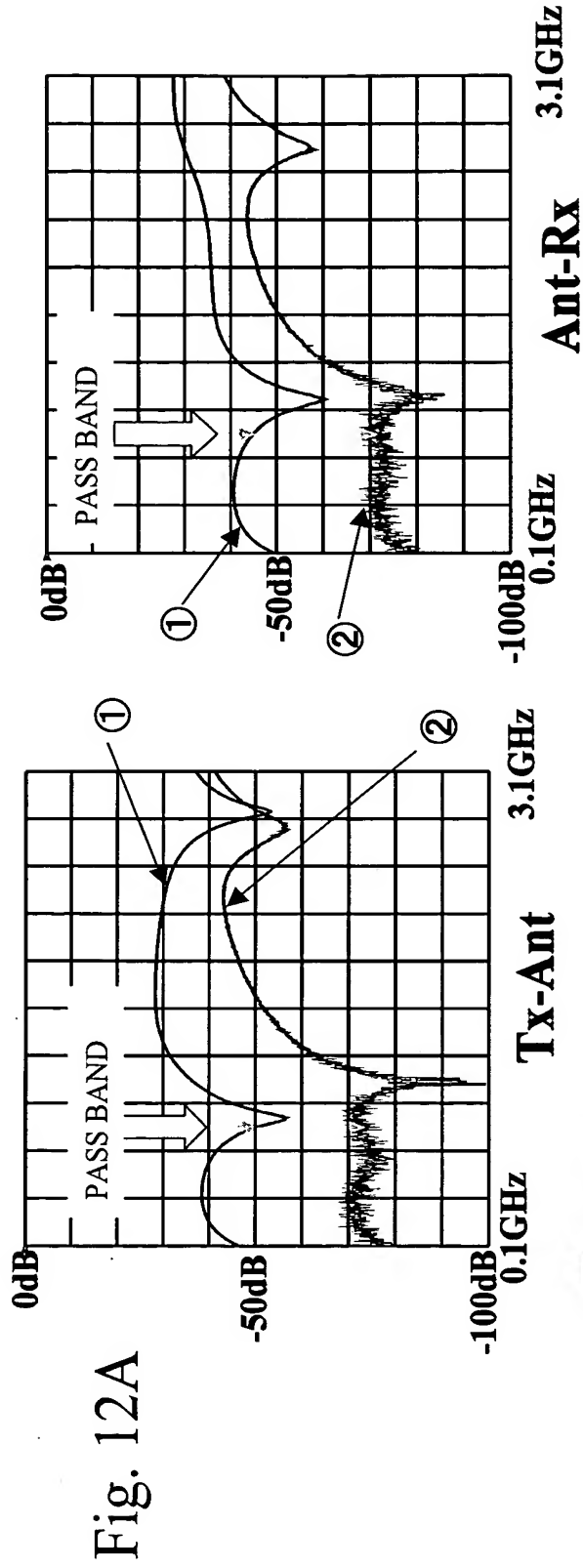
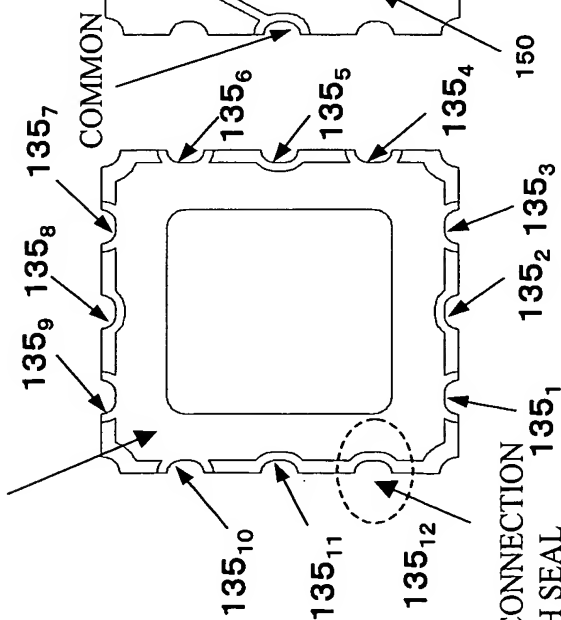


Fig. 12C

- ① NO GROUND BETWEEN TX/RX LINES AND
PHASE MATCHING LINE
- ② GROUND EXISTS BETWEEN TX/RX LINES
AND PHASE MATCHING LINE

Fig. 13A

136 121



NO CONNECTION
WITH SEAL
RING/GROUND
FOR TX

Fig. 13B

122

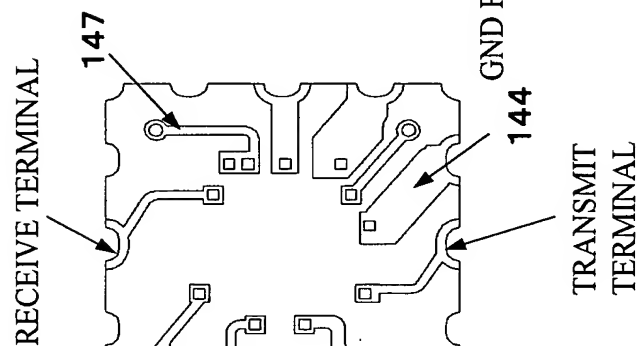


Fig. 13C

123

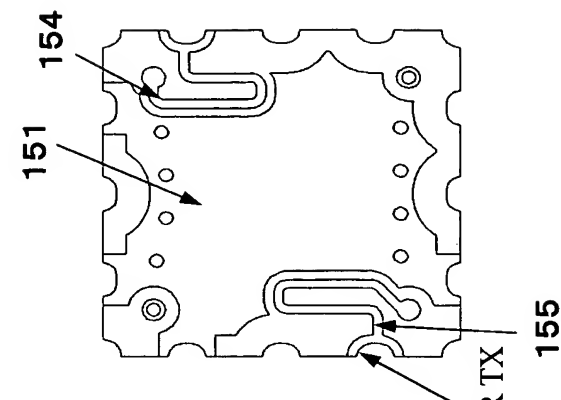


Fig. 13D

126

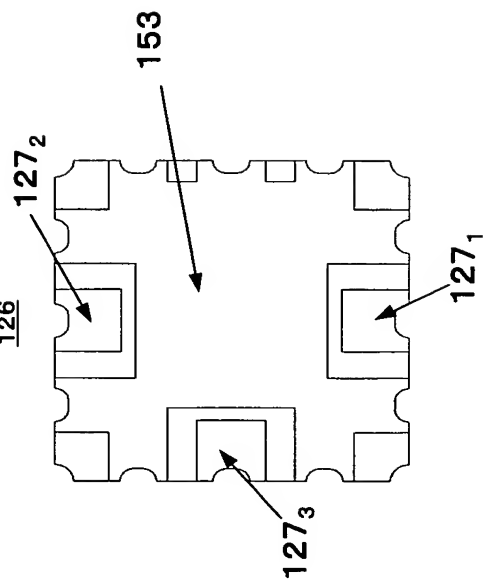


Fig. 14

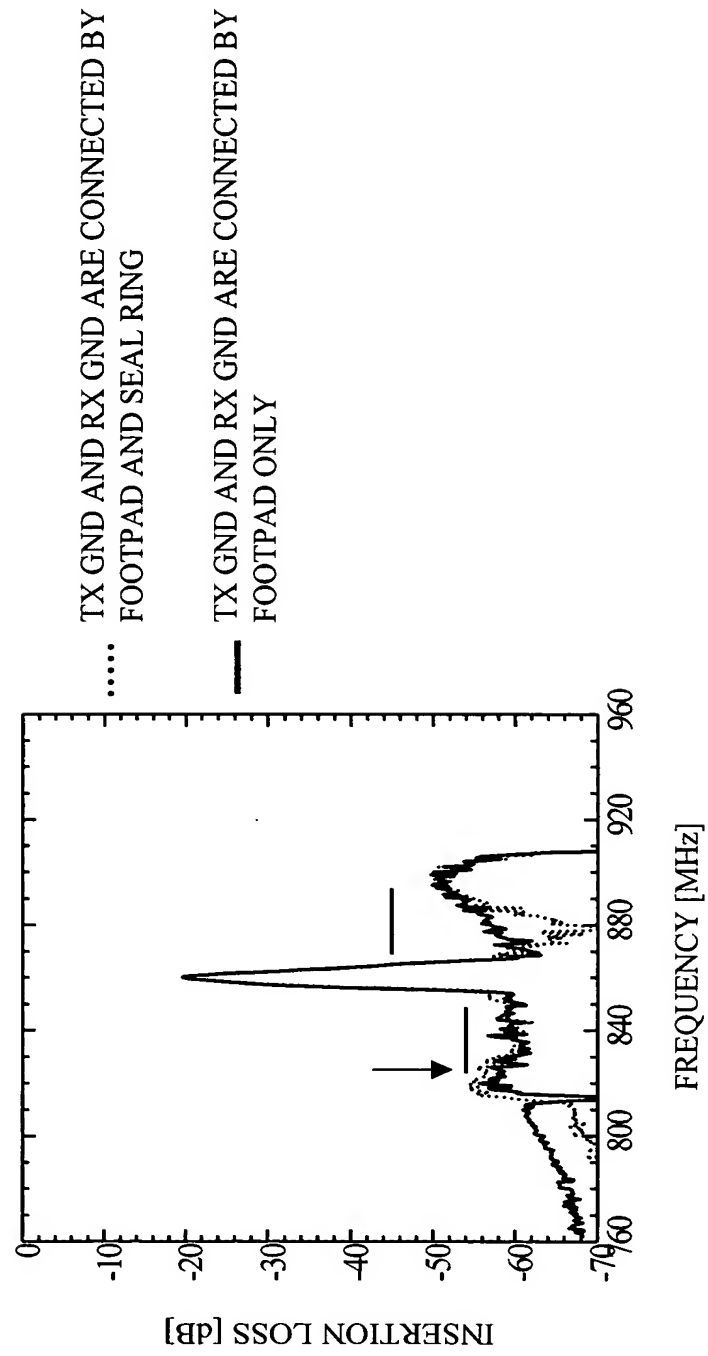


Fig. 15A

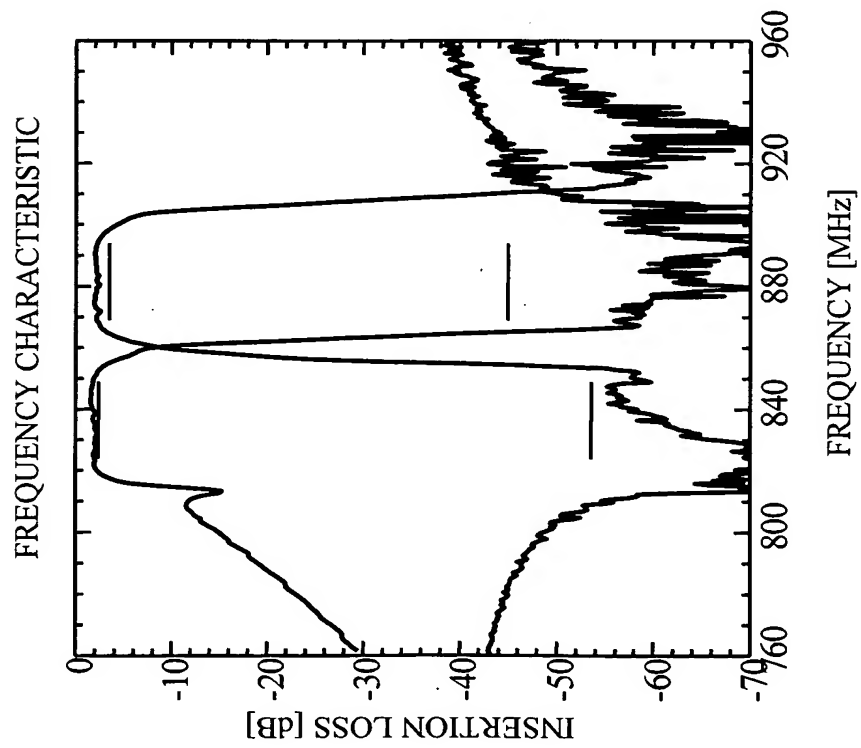


Fig. 15B

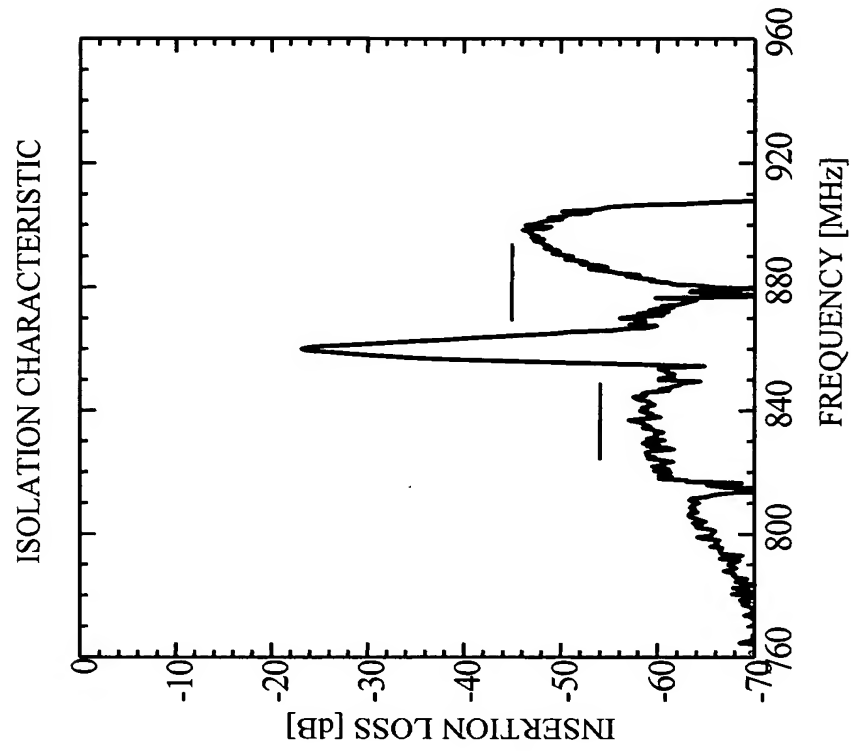


Fig. 16

